

Title (en)  
CLOSED SYSTEM TRANSFER DEVICE AND AUTOMATION SYSTEM

Title (de)  
ÜBERTRAGUNGSVORRICHTUNG IN EINEM GESCHLOSSENEN SYSTEM UND AUTOMATISIERUNGSSYSTEM

Title (fr)  
DISPOSITIF DE TRANSFERT À SYSTÈME FERMÉ ET SYSTÈME D'AUTOMATISATION

Publication  
**EP 2877139 A4 20160330 (EN)**

Application  
**EP 13822142 A 20130724**

Priority  
• US 201261675026 P 20120724  
• CA 2013000666 W 20130724

Abstract (en)  
[origin: US2014031976A1] A robotic intravenous automation system, including a robotically controlled holder configured to manipulate an intravenous (IV) bag and a closed system transfer device (CSTD). The controller includes a processor configured to control the holder. The IV bag includes a first fluid port and a second fluid port, and the CSTD includes a CSTD port, a spike adapter that is fluidically separated from the CSTD port, and a flexible member connecting the CSTD port to the spike adapter.

IPC 8 full level  
**A61J 3/00** (2006.01); **G16H 20/17** (2018.01); **G16H 40/60** (2018.01); **A61J 1/10** (2006.01); **A61J 1/20** (2006.01)

CPC (source: EP US)  
**A61J 1/20** (2013.01 - EP US); **A61J 3/002** (2013.01 - EP US); **G16H 20/17** (2017.12 - EP US); **G16H 40/60** (2017.12 - EP US); **A61J 1/10** (2013.01 - EP US); **F04C 2270/041** (2013.01 - EP US)

Citation (search report)  
• No further relevant documents disclosed  
• See references of WO 2014015419A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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DOCDB simple family (application)  
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